



SUGAR MAPLE goes into the cold, cold ground at the northwest corner of the Medical Sciences Building as part of the University's extensive tree-planting program. It is 35 feet high and has a trunk 9 inches thick. Looking on are two Physical Plant representatives with a special interest: L. H. Hubbard, Assistant Superintendent, General Services, and G. M. Crisp, landscape supervisor. Among others who have had a hand in planning and executing the beautification efforts are Frank J. Hastie, Director of Physical Plant, and Prof. Erik Jorgensen of the Shade Tree Research Laboratory, Faculty of Forestry.

Food Sciences reprieved Senate recommends study

Unanimously and without debate, the Senate last week approved a recommendation by its executive committee "that for the coming year students continue to be admitted to the Faculty of Food Sciences and that a University committee be appointed to study the Faculty within the context of the University and the province."

The executive attached to its recommendation excerpts which had been submitted to it by the Faculty of Food Sciences at the open meeting of the executive on Feb. 17. At that hearing, representations against phasing out were also made by alumnae, professional associations, and individuals. (A report of the meeting was published in the Feb. 25 issue of the *Bulletin*.)

After a brief historical review, the Faculty brief said that in December 1970 "they (the teaching staff) agreed that the existence of the Faculty would be justified if it developed students to fulfill basic needs in the community. They decided that the current curriculum did provide for a number of community needs but would be able to satisfy more areas if it were revised and expanded within certain limits. The feasibility of introducing a more comprehensive curriculum was subsequently investigated and an improved curriculum more closely related to Faculty objectives while retaining the good features of the current course of studies has been recommended for 1971-72. There is agreement that the pressing community needs faced by our Faculty are urban rather than rural, and in setting up a proposed new curriculum, an attempt has been made to match our educational resources and our student programs to changing needs in the Metropolitan area of which we are a part."

By the time the first students graduated in Food Sciences in 1967, the brief said, "the new Faculty had become a member of the Health Sciences group on the campus, and the curriculum had begun to show signs of change related to waning emphasis on Type A accreditation (by the Ontario Department of Education for high school teaching) and increasing interest in nutrition because of its closeness to the science of health. For a time, food chemistry and fibre science suffered from lack of encouragement, but by 1969 gradual stress on the growing technological aspect of these areas was becoming apparent. Finally, in October 1970, the Department of Education made it clear that none of the areas of specialization qualified a Food Sciences graduate for Type A accreditation in any area."

"Discussion of curriculum revision began immediately, and when the question of phasing out the Faculty arose, staff members were ready to support 'a common program from which it is possible to specialize in one of at least three areas—nutrition, food chemistry, or textiles—by choosing specific options, or take a general course, representing all specialization areas, which would qualify for Type A accreditation'."

With the advent of Arts and Science
(See page 3, col. 2)

MARCH 25 DEADLINE

University of Toronto Bulletin is published by Department of Information, Room 225, Simcoe Hall. All material for the next issue should be in the hands of the editor, Mrs. Winogene Ferguson (928-2102) by noon today. The next editorial deadline is noon, March 25.

More elective freedom in Engineering curriculum

A new curricular structure which Dean James A. Ham said would give students of Applied Science and Engineering "a greatly increased degree of elective freedom" was approved by the Senate last week.

Beginning with the 1971-72 session, all courses, except for those in the Faculty of Arts and Science which students may elect to include in their programs, will be one term in duration. Evaluation and promotion of students will take place at the end of each term, except that first year students, in general, will be evaluated on their work in the first two terms.

The first term will begin immediately after Labour Day and end before Christmas and will contain 10 week-days for pre-examination study and examinations. Over-all, the normal length of the term will be about 15 weeks. The second term will begin after January 1, end not later than April 30, and will be 16 weeks in duration, with 10 week-days for pre-examination study and examinations, and there will be no mid-term study week.

A maximum of six courses, with a total weight of 48 units, may be prescribed in any one term, although, as a transitional measure in 1971-72 only, seven courses have been prescribed in some programs. All first year students must take the regular 48-unit load in first and second terms. Students in third or higher terms may, with approval of their departments, reduce the load to 40 units or increase their load to a maximum of 60 units.

Elective choice in technical subjects will be introduced in the second term and, in most programs, be increased in latitude in the higher terms, becoming very wide in the seventh and eighth.

The Faculty's recommendation to Senate described "open" electives and non-technical electives as follows:

"In each of terms one to four, the student must include in his program a non-technical elective having as its central theme the study of man as an individual or man as a social being. This course may be selected either from a group of such courses which are offered within the Faculty of Applied Science by teaching departments of the Faculty of Arts and Science, or from a specified

list of regular course offerings in the Faculty of Arts and Science.

"In each of terms five to eight, the student must include in his course an 'open' elective, which may be a selection of any of the courses described above, or any degree credit course listed in a University of Toronto calendar, other than those offered by the Faculty of Applied Science and Engineering."

The new curricular structure is the culmination of the work of the Curriculum Task Force and the Faculty's Standing Committee on Curriculum during the past three years. A report to the Faculty Council, the Senate was told, "was critical of the existing curriculum format, pointing particularly to its rigidity in respect to program prescriptions, its rigidity in respect to student load, and the diffusion of the effort of the student over the large number of courses which he was expected to take simultaneously."

The Task Force was set up to find means of increasing the elective content of undergraduate engineering programs, concentrating on fewer courses at one time, and permitting students to proceed to the degree at variable rates. The Committee felt that these aims could best be achieved by a term system in which all courses would be of one term in duration.

Senate reminds Board DUA program funding not automatically sure

The Senate last week approved this motion to be sent to the Board of Governors:

"The Senate takes note of the fact that funding of new academic programs in the regular manner by the Department of University Affairs is no longer automatically assured and requests that the Board of Governors take note of this fact in its deliberations."

Principal A. C. H. Hallett, University College, said the Senate was concerned with new programs only from the academic point-of-view and not with what they might cost. This, he said, was the responsibility of the Governors, and the resolution was intended simply to remind the Board of this.

U of T's math team is third of 290 in Putnam competition

University of Toronto's team placed third among 290 universities and colleges in the United States and Canada which took part in the annual William Lowell Putnam Mathematical Competition on Dec. 5 last. The first place team was from the University of Chicago, second place went to Massachusetts Institute of Technology, fourth to Illinois Institute of Technology, and fifth to California Institute of Technology.

Members of U of T's team were Joseph S. Repka, University College, fourth year; Daryl N. Geller, U. C., third year, and Daniel Gautreau, Innis College, second year. Mr. Repka and Mr. Geller were among the 11 highest ranking individuals in the competition. Robert M. Anderson, U. C., second year, was among 29 individual competitors given honourable mention, and eight other U of T students were in the list of 500 top ranking contestants. There were 1,445 in the competition, as teams or individuals.

The third place team receives a prize of \$300 and each of its members \$50.

Mr. Repka and Mr. Geller will also be given \$100 each for their high standing in the individual category.

Sixty-nine students from 21 Canadian universities were team or individual winners. Only four gained honourable mentions—Toronto, Alberta, Victoria (B.C.), and Waterloo. The others were among the top 500. Second to U of T in the overall result were Queen's and University of British Columbia, each 8 of the 500; then came University of Victoria and Waterloo University, each 6.

The competition was founded by Mrs. William Lowell Putnam in memory of her late husband, a graduate of Harvard, who in his lifetime had contended that not enough had been done to recognize scholastic effort in contrast to the attention paid to athletic competition. The first competition was held in 1938, and it was won by the U of T team. Since then, Toronto's young mathematicians have always been at or near the top. In 1948 one of U of T's team was G. F. D. Duff—now professor and chairman of mathematics.

Dr Blackburn replies to editorial on university library acquisitions

Dr. Robert H. Blackburn, Chief Librarian, has written to the editor of the Toronto Daily Star in reply to statements made in a recent editorial concerning university library acquisitions. His letter follows:

I disagree heartily with two of the conclusions reached in your editorial of March 3 entitled *Book publishing must be Canadian*. If they were adopted they would destroy universities and research libraries, and I am sure that is not your intention.

First, you suggest the need for legislation "to forbid the importation into Canada of any foreign book unless it is distributed in this country by a Canadian-controlled publishing firm or other Canadian organization". Apparently you have been taken in by some of the wild statements circulated recently by Canadian book publishers and importers. It is true that university libraries import most of their books directly, but most of what they import is just not available in Canada. Universities deal not in Canadian knowledge, but in universal knowledge, and their libraries deal in world publications, usually in single copies. Single-copy orders are notoriously unprofitable to the suppliers. The Ernst and Ernst report, to which you refer, explains that "because the market for many titles is limited to libraries, particularly academic libraries, many Canadian suppliers do not find it worthwhile to stock the limited quantities". It goes on to say that "only in isolated cases have libraries by-passed suppliers who carry inventories".

The fact is that Canadian publishers (of whom many are merely importing agents for foreign firms) represent only a few hundred British and American publishers. A sample of additions to the University of Toronto Library during 1969 showed that our annual intake came from about 28,000 publishers (past and present) in various parts of the world. Our buying of Canadiana is as comprehensive as we can make it (mostly in single copies) but we buy also from more than 50 other countries in the world. Less than one quarter of our purchasing budget is spent on in-print Canadian, British and American books, a majority of them bought in Canada, but many of them are simply

not available in Canada, or not available on acceptable terms. My guess, based on local experience, is that the British and American books which Canadian academic libraries buy directly, "buying around" the Canadian agents, is not a factor large enough to make any real difference to the economics of the Canadian importing and publishing industries. Taken altogether, university libraries account for only about ten per cent of the value of all books bought by Canadians each year.

Second, you suggest that "a substantial minimum percentage of all books used in the schools and universities . . . should be written and published by Canadians". Clearly it would be dangerous to apply this idea to research libraries, since they must take a universal approach to knowledge and could not exist on anything approaching the minute proportion of important world publication which is written by Canadians. Perhaps you were thinking of such a rule for textbooks, a class of books in which university libraries do not really deal. Even for textbooks, however, legislating a minimum percentage of Canadian content could produce intellectual isolation, and would remove from the curriculum many subjects in which Canadian texts do not exist. Surely our aim should not be to restrict the choice of educators and students, but to widen and improve their choice by increasing the number and quality of Canadian books available.

Please understand that I share your concern for the survival of Canada as an independent nation. I am convinced that Canadian authors need encouragement and support, and a better chance of having their works edited and published in this country. I am encouraged by the interest being shown just now by the Ontario and Canadian governments, and I hope that they will apply cures which will get at the root of the trouble, not quick remedies which are based on hasty diagnosis, for the side-effects could be worse than the disease. For instance, before the government makes money available to strengthen Canadian publishing, I hope it recognizes that Canadian publishing consists of Canadian authorship, Canadian editing and Canadian production, but has nothing to do with the import of foreign books.

Master of Arts in criminology proposed by Graduate School

A Master of Arts degree in criminology was recommended to the Senate by its executive committee after receipt of a proposal from the School of Graduate Studies. The recommendation was approved.

"The primary aim of the graduate program in criminology", said the SGS in its report, "is to acquaint students with the existing body of criminological knowledge, to develop in them critical and analytical skills in relation to the study of crime and, in a multidisciplinary setting, to offer training in the various approaches and techniques of research appropriate to the field."

The graduate curriculum "allows in-

corporation of some courses now taught as part of other related graduate programs, i.e., law, philosophy, sociology, computer science, and economics. Other sections of the course seek to provide opportunities for specialization in such areas as crime, causation and prevention, law enforcement, administration of correctional agencies, treatment and rehabilitation of adult and juvenile offenders, government formulation, and implementation of social defence policies, and so forth."

The faculty in charge of the M.A. program would consist of Prof. J. L. J. Edwards, director, Centre of Criminology; Prof. R. G. Fox, Faculty of Law, and Prof. P. J. Giffen, Sociology.

Instructional Media Centre provides a new centralized service

The Instructional Media Centre wishes to announce that a centralized service now exists for the production of television and audio-visual materials for instructional use. Many academic media committees have recently been formed at the departmental, college and faculty levels. While some of these bodies have media budgets, it is recognized that not all of them do and that in any case large scale projects with widespread potential use are apt to be beyond the resources of any one group.

Consequently, a continuing university

fund has been established to foster the creation of media materials in cases where there is a strong possibility of revenue being generated either through internal cost benefits or from outside users in schools, universities and broadcast agencies. The Presidential Advisory Committee on Instructional Media has set up a committee, under the chairmanship of Dean P. P. M. Meincke, to administer this fund.

Program proposals or ideas should be directed to R. D. Rodgers, Co-ordinator of Programming for the Centre (284-3242).

COMING EVENTS

MARCH

18 THURSDAY

Lectures

Engineering

"Analysis Synthesis and Control of Human Robot Locomotion". Prof. Miles A. Townsend, Department of Mechanical Engineering, University of Wisconsin. Room 254 Mechanical Building. 4 p.m. (SGS and Mechanical Engineering)

Music

"The Musical Analysis of Heinrich Schenker". Dr. Felix Salzer, Head, Theory Department, Mannes College, New York. Concert Hall, Edward Johnson Building. 2 p.m. Free.

French

"Le Genre Féminin en Synchronie et en Diachronie". Prof. André Martinet, Sorbonne. Room 118 U.C. 4.10 p.m. (SGS and Graduate French)

Near Eastern

"The Temple City and the Royal City in Ancient Mesopotamia and Israel". Hayim Tadmor, Professor of Assyriology, Hebrew University of Jerusalem. Room 104/105 U.C. 4.10 p.m. (SGS and Near Eastern Studies)

Philosophy

"Methodological Conservatism". D. Goldstick. West Hall, U.C. 4.10 p.m. (University College)

Comp. Lit.

"Hegel and Hölderlin". Prof. Dieter Henrich, University of Heidelberg. Room 122 University College. 4.30 p.m. (Philosophy and Graduate Program in Comparative Literature)

Classical

"Introducing the Play: A Study of Dramatic Exposition in Aristophanes". Prof. E. W. Handley, University of London. Room 24 Trinity College. 4.30 p.m. (SGS and Classical Studies)

Archaeology

Miriam Tadmor, Curator of Chalcolithic and Bronze Age Collections, Israel Museum, Jerusalem, describes recent work in Israel. Room 4 ROM. 8.30 p.m. Admission \$1.50, ROM members free.

Seminar

Russia

"Trotsky and Soviet Economic Isolationism". Prof. Richard Day. Room 3050 Sidney Smith Hall. 2 p.m. (Russian and East European Studies)

Music

"The Magic of the Opera". Complete acts from *Der Freischütz*, *Les Contes d'Hoffmann*, and *Falstaff*, assisted by University of Toronto Symphony Orchestra. MacMillan Theatre, Edward Johnson Building. 8 p.m. March 18-21 incl. Tickets \$2, students \$1. (Faculty of Music)

19 FRIDAY

Lectures

18th century

"Les Liaisons dangereuses: the Last Phase". Prof. Anthony R. Pugh, University of New Brunswick. 10 a.m. "La Théorie du roman en France à la fin du XVIIIe siècle". Prof. Real Ouellet, Université Laval. 11 a.m. "Anglo-Dutch Scientific Relations". Prof. T. H. Levere, IHPST. 2 p.m. Music Room, Wymilwood, Victoria College. "Rousseau and the Genesis of *Le Neveu de Rameau*". Prof. Donal O'Gorman. Room 21 Victoria College. "Aspects du XVIIIe siècle hispano-américain". Prof. Luis Bocaz, University of Concepcion, Visiting Professor, Brock University. 3 p.m. Music Room, Wymilwood, Victoria College. "La France et la province de Québec dans la deuxième moitié du XVIIIe siècle". Prof. Claude Galarneau, Institut d'Histoire, Université Laval. 3 p.m. Room 119 Academic Building, Victoria College. (Scarborough College and Canadian Society for Eighteenth-Century Studies)

East Asian

"The Life and Death of Yukio Mishima". Prof. Edward G. Seidensticker, University of Michigan. Room 315 Department of East Asian Studies. 1 p.m. (SGS and East Asian Studies)

Seminars

Archaeology

"On Re-editing the Inscriptions of Tiglath-pileser III". Prof. Hayim Tadmor. Senior Common Room, Sir Daniel Wilson Residence, U.C. 3.10 p.m. (SGS and Near Eastern Studies)

Classical

"Some New Fragments of Greek Comedy". Prof. E. W. Handley, University of London. Room 241 Trinity College. 4.30 p.m. (SGS and Classical Studies)

Symposium

Psychiatry

"Research Strategies in Schizophrenia". Speakers: Drs. Charles Shagass, L. Heston, L. Stein, H. Himwich, R. Gottlieb. Auditorium, Clarke Institute of Psychiatry; 9 a.m. Mar. 19 and 20. (Research Committee, Department of Psychiatry)

Meeting

Social

Responsibilities

Presidential Advisory Committee on Social Responsibilities. Open to anyone interested. Senate Chamber, Simcoe Hall. 3 p.m.

20 SATURDAY

Lecture

Metrication

"The Progress of Metrication in Britain". Gordon Bowen, Director, Metrication Board, British Government. Convocation Hall. 8.15 p.m. Free (Royal Canadian Institute)

21 SUNDAY

Lectures

18th century

"The American Colonial Crisis of 1762-1770". Prof. J. A. Ernst, York University. 10 a.m. "The French Crisis of 1770". Prof. John Bosher, York University. 11 a.m. "The Burney Novels". Prof. Joyce Hemlow, McGill University. 2 p.m. "Lovelace as Tragic Hero". Prof. J. J. Carroll. 3 p.m. Scarborough Faculty Lounge. (Scarborough College and Canadian Society for Eighteenth-Century Studies)

22 MONDAY

Lectures

Geography

"National Goals and the Pioneer Fringe of Canada and Alaska". Prof. E. C. Mather, University of Minnesota. 10 a.m. (SGS and Geography)

Medicine

Dr. Murray Mendelson Memorial Lecture. "Aspects of Intensive and Private Care". Dr. H. Barrie Fairley, professor, Department of Anesthesia, University of California Medical Center, San Francisco. Large Lecture Theatre, Hospital for Sick Children. 5 p.m. (Anaesthesia)

Music

"Myth or Reality in Today's Music". Gunther Schiller, president, New England Conservatory of Music, Boston. 116 Edward Johnson Building. 5.10 p.m. (SGS and Music)

Architecture

"The Three Human Establishments: Aspects of le Corbusier's Planning Theory". Prof. Kenneth Frampton, Princeton University, School of Architecture and Institute for Architecture and Urban Studies, New York. Room 103 Faculty Building. 8 p.m. (Architecture)

Seminar

Computer

"Experience with Proving Programs Correct". Prof. Ralph L. London, University of Wisconsin. Room 203 McLennan Physical Laboratories. 3.45 p.m. (Computer Science)

Music

Organ recital by Catherine Palmer, F.R.C.O. Convocation Hall. 5.05 p.m.

23 TUESDAY

Lectures

History

"Canada's First War: the North-West Campaign of 1885". Prof. D. P. Morton. Room 294 Preliminary Building, Erindale College. 3 p.m.

Mathematics

"Topas and Foundations". Prof. Alexandre Grothendieck, (Visiting at) Queen's University. Room 2102 Sidney Smith Hall. 4.10 p.m. (SGS and Mathematics)

(See page 4, col. 1)

Appointed & Promoted

The Board of Governors has approved the appointment of PROF. NEVILLE E. COLLINGE as director of the Centre for Linguistic Studies, effective July 1, 1971. Prof. Collinge is on the staff of the Department of Classics, University College and Scarborough College.

A graduate of Manchester and Cambridge Universities and a member of the Classics Department of Durham University from 1947 to 1969, he has held visiting appointments at the University of Pennsylvania in linguistics and at Yale University in classics. He has published numerous articles on aspects of classical literature; a book on Horace; one on historical linguistics and Indo-European problems and a recent book of essays in this field. Prof. Collinge was a founder-member of the Linguistics Association of Great Britain, its chairman from 1962 to 1965 and Council member in charge of publications for the Philological Society, London, 1966-1969.

6% dividend paid by Credit Union

About 200 members and guests at the 22nd annual meeting of the University of Toronto Credit Union were told that a 6 per cent. dividend — a total of \$69,250 — would be paid to members and that a 10 per cent. rebate, totalling \$18,000, would be paid to borrowers in good standing.

Other highlights of the annual report were: total assets, \$1,930,367; members' shares (life insured savings), \$1,331,567; members' deposits, \$207,401; on loan to members, \$1,581,851; membership, as at Dec. 31, 1970, 2,528.

The membership approved ending the fiscal year on March 31, beginning in 1972, and also a reduction in the number on the credit committee from five to three.

Elected to the Credit Union board for 1971-72 were: E. E. Beaven, Press, president; H. Bayer, Centennial College; J. Bull, Physical Plant; D. C. Campbell, OISE; Prof. J. Gittins, Geology; W. R. Jeffrey, Physical Plant; J. G. Lockwood, Research Administration; I. A. MacDonald, Scarborough College; Miss F. J. Pickup, Library; Mrs. L. Wright, CMSL; credit committee: Prof. B. Conchie, College of Education; J. Lewin, Physics; G. Murdoch, Banting Institute; supervisory committee: G. Alexin, OISE, chairman; J. Durham, Physical Plant; J. White, Pharmacology.

Ph.D. Orals

All members of the Graduate Faculty have the right to attend Ph.D. Oral Examinations.

Thursday, March 25

P. M. Bronsveld, Department of Physics. "Precision Measurements of the Lattice Parameter of Solid Argon Under Pressure By X-Ray Defraction". Thesis supervisor: Prof. J. C. Stryland. Room 108, 16 Hart House Circle. 2 p.m.

Mrs. Rivanne Melnik, Department of Islamic Studies. "Religion and Politics Under the First Two Tughlugs, as viewed in Contemporary Traditional Sources, with Special Reference to Barani". Thesis supervisor: Prof. Aziz Ahmad. Room 107, 16 Hart House Circle. 10 a.m.

Friday, March 26

P. K. Banerjee, Department of Mathematics. "On Sequential Procedures in Estimating a Confidence Interval of Prescribed Accuracy and the Cost of Not Knowing Variance". Thesis supervisor: Prof. M. S. Srivastava. Room 108, 16 Hart House Circle. 10 a.m.

Wednesday, March 31

S. A. Ola, Department of Civil Engineering. "The Influence of Cementation-Type Bonds on the Stress-Strain Behaviour of Soils". Thesis supervisor: Prof. T. C. Kenney. Room 108, 16 Hart House Circle. 2 p.m.

Wednesday, April 21

Dr. W. C. Sturtridge, Department of Pharmacology. "Physiopathology of Calcitonin — Experimental and Clinical Studies". Thesis supervisor: Prof. W. Kalow. Room 107, 16 Hart House Circle. 2 p.m.

Minister of University Affairs' statement on graduate study aid

The following statement was issued on March 9 by the office of the Minister of University Affairs:

The Honourable John H. White, Minister of University Affairs, announced today the following policy changes in provincial support programs for graduate studies at Ontario universities. These changes, which are based on recommendations of the Committee on University Affairs, will be implemented in the 1971-72 academic year.

1. The minimum fee for full-time graduate students will be set at the same level as that established for undergraduate students in arts (\$485 in 1970-71), whether the student enrolls for two or three terms during a given twelve-month period.

2. A graduate student enrolled in the Ontario university system after January 1, 1971, who is paid in excess of \$1,800 by a university for services during any twelve-month period, will not be counted as a full-time student for purposes of Provincial grants.

3. The Committee of Presidents of Universities of Ontario should undertake, as quickly as possible, its proposed analysis and appraisal of graduate studies in specific disciplines as a means of ensuring effective rationalization of university effort. In the interval, existing for-

mula support will not be provided for enrolment in any new graduate programs which appear to duplicate existing programs. If a university believes that this rule should not apply, it will be given an opportunity to appeal the matter to the Committee on University Affairs, which will make a recommendation to the Minister.

4. The total funds provided for Ontario Graduate Fellowships for 1971-72 will be reduced from \$5.0 million to \$3.5 million. The reduced amount will ensure that present fellowship holders will continue to receive support for their individual programs and that students enrolled in those areas where shortages of qualified university teachers continue to exist can also be assisted. Universities have been encouraged previously to give attention to such requirements in recommending candidates for fellowships in the next academic year.

The rapid expansion of graduate enrolments was induced in part by a number of special provisions which the changes described above will modify to some extent. The objective is to balance graduate enrolment with the real demands and needs of our society.

Notwithstanding these changes, the financial incentives to graduate students remain at a high level.

Food Sciences wins reprieve Senate asks for a committee study

(Continued from page 1)

New Program and because of student demand, the brief continued, "it has become apparent that the Faculty must provide a wider choice of subject matter, not necessarily by added courses, but by greater utilization of our present resources both in the University and in the urban community around us . . . Our proposed curriculum for 1971-72 offers, in addition to current courses, the reinstatement of two Type A (Home Economics) courses—one in Consumer Education and the other on The Family. In addition, by reorganization of subject material and teaching load, the staff are agreed that they can offer seven other optional courses, so that students may qualify not only for Type A in Home Economics, but for three areas of accreditation in the Canadian Dietetic Association as well as in Fibre Sciences, Textiles, or Food Chemistry."

The executive committee presented to the Senate 12 recommendations from the Faculty:

"That every effort be made on the part of the administration, staff and student members of the University community to defeat the motion regarding the phasing out of the Faculty of Food Sciences.

"That the courses required for qualification for Type 'A' certification in Home Economics be re-instated in the curriculum.

"That the possibility of granting advanced standing in the Faculty of Food Sciences to graduates of community, applied arts and technology colleges and polytechnical institutes be investigated.

"That discussion be instituted with the School of Graduate Studies concerning the feasibility of accepting three year degree students from the Faculty of Arts and Science, who have suitable standing, into a two year Master's program in the Department of Food Sciences.

"That whether or not some change in the Faculty of Food Sciences is deemed necessary, consideration be given to abolishing the present first year in Food Sciences, and requiring a prerequisite first year in the Faculty of Arts and Science for admission into the present second year Food Sciences.

"That whether or not the Faculty of Food Sciences is phased out, consideration be given:

"(a) To offering to three year B.Sc.

students from the Faculty of Arts and Science the possibility of a fourth year of specialization in the Faculty of Food Sciences.

"(b) To the feasibility of re-instating a first year Food Sciences course and/or a progressive three year series of Food Sciences courses as offerings in the Faculty of Arts and Science.

"(c) To the possibility of developing interdisciplinary courses with other divisions on the campus.

"(d) To the advisability of gradually expanding the number of service courses given to students in other faculties.

"That whether or not the Faculty of Food Sciences is phased out, consideration be given to the advisability of developing background courses in the basic sciences, such as organic chemistry and microbiology, which would be taught by members of the Food Sciences staff, and offered to students in other professional divisions who do not require a full Arts and Science-oriented course.

"That whether or not the Faculty of Food Sciences is phased out, the possibility of obtaining Type 'A' accreditation in some appropriate discipline, for all the areas of specialization in the proposed new curriculum, be investigated.

"That if, for any reason, the final decision regarding the phasing out of the Faculty is delayed, immediate steps be taken:

"(a) To set up a new selection committee based more realistically on the recommendations in the Haist Report, and also include representatives from the alumnae and from the student body.

"(b) To expend every effort to find a new Dean in the near future.

"(c) To finalize the adoption of a name which is more representative of the ever-widening areas of specialization which could eventually be included in our curriculum.

"That the whole question of our membership in the Health Sciences group be carefully investigated.

"That the Faculty of Food Sciences' budget be scrutinized by the proper authorities with a view to improving its construction.

"That (a) in future the Household Science/Food Sciences Alumnae and students be represented on the Food Sciences Council, and (b) the question of the depth of involvement on the part of any council member, particularly at a time of crisis, be investigated."

Opportunity for Promotion

The following is published in keeping with the policy of filling vacancies by promotion from within the University. Letters of application, along with full resume of educational qualifications and work experience, should be sent to the Employment Officer, Personnel Office, 215 Huron Street, U of T.

Compensation Analyst

Department: Personnel

Duties: Participate in classification studies related to the analysis and classification of positions; advise departments on classification and salary administration problems.

Education: University graduation or equivalent combination of education and experience.

Qualifications: At least 2 years' experience in job analysis and evaluation; ability to communicate effectively both orally and in writing is essential.

Amherst's Leo Marx to visit March 22-26

The American Studies Committee is bringing Prof. Leo Marx of Amherst College's English Department, to the campus from March 22 to 26. He is the author of *The Machine in the Garden* and "American Institutions and Ecological Ideals", *Science* vol. 170, (Nov. 25, 1970), 945-952.

Two general sessions are planned. On Tuesday, March 23, there will be a panel discussion with Profs. A. Bloom and A. Rotstein in Room 2135 Sidney Smith Hall from 12.30 to 2 p.m.

On Wednesday, March 24, Prof. Marx will deliver a lecture "Revolutionary Pastoralism — A Literary Disorder?", followed by a discussion, in Room 118, U.C. from 3 to 5 p.m.

Several other meetings with classes and groups in American literature, American history, Interdisciplinary Modernization and Community, and graduate students in geography and other environmental areas are planned. For a schedule contact Prof. J. Lemon, Geography, for the Committee.

EXHIBITIONS

Pictures on View. Drawings by Hagop Khoubesserian. Alumni Hall, Victoria College. Monday to Friday. To March 29. Visitors invited.

"Giant Planets". Theatre of the Stars, McLaughlin Planetarium. Tuesday through Friday: 3.30, 8 p.m. Saturdays: 11 a.m., 2, 3.30, 7.30, and 9 p.m. Sundays: 2, 3.30, 5, 7.30 p.m. To Apr. 18.

"Focal Forum". Photographs by members of the Toronto Focal Forum featured at the Museum. Lower Rotunda, ROM. To April 12, with the exception of a 10-day period from March 19 to 29 when it will not be on view.

A & S Committee to Restructure Council

The Committee to propose a new structure for the Council of the Faculty of Arts and Science invites written opinion and comment:

J. E. Foley (Chairman)
J. M. Daniels
H. C. Eastman
J. M. Robson
R. M. Savory
A. P. Thornton
G. A. B. Watson
C. R. C. Dobell (Secretary)

Invitation to join Hart House Gallery Club

The Gallery Dining Room in Hart House is now licensed to serve beer and wine with meals. To satisfy the requirements of the Liquor Control Act the Gallery is incorporated as a private club and is thus open only to members of the Club and their guests. Members of Hart House may join the Gallery Club; the fee is \$1 per annum.

COMING EVENTS

MARCH (Continued from page 2)

23 TUESDAY

- Lectures**
Medieval "A Renaissance View of Gothic Art". T. S. R. Boase, General Editor, *The Oxford History of English Art*. Room 2118 Sidney Smith Hall. 4.15 p.m. (Varsity Fund and Centre for Medieval Studies)
Food Science "Food Contaminants Incidental to Processing". Dr. B. L. Oser, Food and Drug Research Laboratories Inc., Maspeth, N.Y. Faculty Club, 41 Willcocks St. 8.15 p.m. (Chemical Institute of Canada, Toronto Section)
- Seminars**
Geography "Regionalism and Indian Arts and Crafts of New Mexico". Prof. E. C. Mather, University of Minnesota. 4 p.m. (SGS and Geography)
Music "Third Stream' and Other Contemporary Directions". Gunther Schiller. 310 Edward Johnson Building. 11 a.m. (SGS and Music)
Computer "HTMMDWWTTD". Prof. W. McKeeman, University of California, Santa Cruz. Room 102 McLennan Physical Laboratories. 4 p.m. (Computer Science)
- Panel discussion**
Environment "Can Technology Solve our Environmental Problems?". Profs. Leo Marx, A. Bloom and A. Rotstein. 2135 Sidney Smith Hall. 12.30-2 p.m. (American Studies Committee)
- Broadcast**
Islamic "Iraq — Land of the Twin Rivers". Over CJRT-FM (91.1) at 1.30 p.m. and repeated at 9 p.m. (Islamic Studies)
- Meeting**
Medicine "Experimental and Clinical Studies in the Demonstration of Subcortical Frontotemporal Lesions". Dr. Richard Schneider, University of Michigan Medical Center. Osler Hall, Academy of Medicine. 5 p.m. (Toronto Neurological Society)

24 WEDNESDAY

- Lectures**
Geography "The Plural Culture of Canada and the American Melting Pot". Prof. E. C. Mather. 10 a.m. (SGS and Geography)
Engineering "Creative Design". Dr. D. Henry Edel, Beaverton, Oregon. Room 120 Galbraith Building. 2 p.m. (SGS and Civil Engineering)
English "Recent Results on Linear Control Theory". Prof. J. B. Pearson, Rice University, Houston. Room 248 Galbraith Building. 3 p.m. (SGS and Electrical Engineering)
Seminar "Revolutionary Pastoralism — A Literary Disorder?". Prof. Leo Marx, Amherst College. 118 U.C. 3-5 p.m. (American Studies Committee)
Computer "Economic Evaluation of Computers". Prof. W. McKeeman. Room 103 McLennan Physical Laboratories. 4 p.m. (Computer Science)
Meeting Interdisciplinary Studies Forum: an open meeting for students and teaching staff in all faculties interested in interdisciplinary and experimental programs at U of T. 102 Innis College. 8 p.m. (Interdisciplinary Studies, Arts and Science)

25 THURSDAY

- Lectures**
Engineering "Black Power and Red Power in the U.S.". Prof. W. B. White. Room 294 Preliminary Building, Erindale College. 3 p.m.
German "Characteristics of the Planetary Boundary Layer". Dr. A. D. McEwan, Commonwealth Scientific and Industrial Research Organization, Australia. Room 254 Mechanical Building. 4 p.m. (SGS and Mechanical Engineering)
Archaeology "Progression or Stasis? On the Narrative in Thomas Mann's *The Magic Mountain*". Martin Swales. West Hall, U.C. 4.10 p.m. (University College Public Lectures 70-71)
French "Knossos and Thera". Sinclair Hood, former Director, British School of Archaeology, Athens. Room 4 ROM. 8.30 p.m. Admission \$1.50. ROM members free.
Polish poetry "Camus — littérature et politique". Prof. Germaine Brée, Institute for Research in the Humanities, University of Wisconsin. Music Room, Hart House. 8 p.m. (SGS and Graduate French)
Seminars Recent developments in Polish poetry will be discussed (in Polish) by Artur Miedzyrzecki, from Warsaw. 2117 Sidney Smith Hall. 8 p.m. (Slavic Languages and Literatures)
Metallurgy "Surface Analysis by Auger Electron Spectroscopy". 10 a.m. "Surface Diffusion Due to Capillarity Forces". 3.30 p.m. Dr. Norman A. Gjostein, Metallurgy Department Scientific Research Staff of the Ford Motor Company. Room 116 Wallberg Building. (SGS, Metallurgy and Materials Science, and Materials Research Centre)
French "Proust et Vermeer" (with illustrations). Prof. Germaine Brée, Institute for Research in the Humanities, University of Wisconsin. Room 122, U.C. 4 p.m. (SGS and Graduate French)
Lecture-recital Thursday Afternoon Series. Malcolm Bilson, fortepiano, Cornell University. Concert Hall, Edward Johnson Building. 2 p.m. Free.
Music Special Events Series. Robert Aiken, Flute. Lorand Fenyves, violin. Greta Kraus, harpsichord. Anton Kuerti, piano. Chamber ensemble from Faculty of Music. Concert Hall, Edward Johnson Building. 8.30 p.m.

26 FRIDAY

- Lecture**
Engineering "Studies in Electric Vehicles". Dr. R. L. Thorton, Department of Electrical Engineering, M.I.T., Cambridge, Mass. Room 220 Galbraith Building. 2 p.m. (SGS and Electrical Engineering)
- Colloquium** "The Controversy of the Comets of 1618". Prof. William R. J. Shea, Professor of Philosophy, University of Ottawa. Upper Library, Massey College. 2.10 p.m. (SGS and IHPST)
- Meeting**
Social Responsibilities Presidential Advisory Committee on Social Responsibilities. Open to anyone interested. Senate Chamber, Simcoe Hall. 3 p.m.

29 MONDAY

- Lectures**
Women "Women's Studies". Prof. Annette Baxter, Barnard College, New York. Cody Hall, School of Nursing. 4 p.m. (Interdisciplinary Studies, Arts and Science)
Medicine "Biosynthesis of Bile Acids: the Role of Regulatory Enzymes". Dr. Erwin Mosbach, Research Institute of the City of New York. Room 7231 Medical Sciences Building. 4 p.m. (Pathology)

30 TUESDAY

- Lecture**
Nursing "The Development of the Health Maintenance Service for the Chronically Ill". Mrs. Mamie K. Wang, Nurse Investigator, Division of Ambulatory Medicine, and Administrative Assistant, Outpatient Nursing Service, Cornell University Medical Center, New York City. Cody Hall, St. George & Russell Sts. 3.30 p.m. (Nursing)
- Broadcast**
Islamic "Khatima". Over CJRT-FM (91.1) at 1.30 p.m. and repeated at 9 p.m. (Islamic Studies)

31 WEDNESDAY

- Lectures**
Philosophy "A Mediacval View of Essential Predication". Prof. J. A. Trentman, McGill University. Croft Chapter House. 4 p.m. (SGS and Philosophy)
Astronomy "Steady State Mass Flow from Stars". Prof. Malcolm P. Savedoff, University of Rochester. Room 137 McLennan Physical Laboratories. 4.10 p.m. (SGS and Astronomy)

Therapy programs are upgraded to four year degree disciplines

Senate has approved the establishment of a four-year program in Physical Therapy leading to the degree of Bachelor of Science (P.T.), and a separate four-year program in Occupational Therapy leading to the degree of Bachelor of Science (O.T.).

Since 1950 Physical and Occupational Therapy have been taught as one three-year diploma program in the Division of Rehabilitation Medicine in the Faculty of Medicine. The Division will phase out the existing three-year combined diploma program as students now enrolled graduate. The degree program may start next September.

The Council of the Faculty of Medicine some time ago approved the institution of a degree program, recommended by the Rhodes Committee as the best way to upgrade the disciplines. The proposal was not implemented at that time because U of T was the only source of therapists in Ontario. But two other universities now have such programs, and the Faculty felt that the time had come for degree programs at Toronto.

The Division of Rehabilitation Medicine insisted that the new program must be for four years in order that the therapists would be "well qualified with a greater understanding and depth of knowledge in basic and clinical sciences and a broader general background of education in the social sciences and humanities." Moreover, a four-year program will enable graduates to go on to further study at a Master's level.

"There has been dissatisfaction within the Division", Senate was told, "as to the status of the present diploma program. When these two courses were combined in 1950, it was anticipated that in a small hospital one therapist would provide both services. In theory, this appeared to be a sound philosophy, but after 17 years of graduating combined

trained physical and occupational therapists, this has not yet been borne out in practice. Graduates have been employed as occupational therapists or as physical therapists and very rarely in the role of a combined trained therapist."

Admission to the degree programs will be from Grade 13 or its equivalent into first year in Arts and Science. Admission to second year — first year of the professional program — will require completion of one year at U of T in Arts and Science, or the equivalent, with five specified full courses included in the year's work.

The Division anticipates a maximum of 100 students in the second (first professional) year. Students eligible to enter this year are those who will have completed their first year in Arts and Science. However, for 1971-72 only, maximum enrolment into second year will be reduced to 50 students because of adjustments required in certain courses to fit them into the new program. Also for 1971-72 only, 100 Grade 13 applicants will be selected by Rehabilitation Medicine for enrolment in first-year Arts and Science and guaranteed places in second year of Occupational or Physical Therapy.

Faculty may use libraries of universities in Quebec

University faculty members from Ontario and Quebec will now be able to visit and use library facilities in either province, the Committee of Presidents of Universities of Ontario reports.

This has been made possible by an agreement between the Ontario Council of University Librarians and the Conseil de co-ordination des bibliothèques des universités du Québec to reciprocate acceptance of faculty introduction cards issued by university libraries in each jurisdiction.

Behavioural Science 'opens door' of Medicine to social sciences

A Senate decision to elevate the Division of Behavioural Sciences in the Faculty of Medicine's Department of Paediatrics to departmental status has been characterized as "opening the front door of the Faculty to the social sciences".

Dr. R. F. Badgley, who has been director of the division since its establishment in Paediatrics three years and now will head the department, says the object will be to introduce students to the concepts and methods of the social sciences, notably psychology, sociology and anthropology at first, then economics and political science. "These subjects are now being offered to medical students and to the School of Hygiene", Dr. Badgley said, "and we are working on a program for the Faculty of Dentistry."

The proposal from the Faculty Council to the Senate said the new department "would co-ordinate and integrate the teaching of the concepts of the behavioural sciences and serve as a focal point for related research activities."

Although all 16 Canadian medical

schools make some provision for the teaching of social sciences to medical undergraduates, this is the first formal recognition by a university of the need and value of a full-scale department.

Post-secondary education public hearings scheduled

The Commission on Post-Secondary Education in Ontario will hold two public hearings in Toronto this spring: on March 24, at 2 p.m. and 7.30 p.m., in St. Lawrence Hall, King East and Jarvis Streets, and on May 13, at a time and place to be announced.

Briefs already received will be considered on March 24. Individuals and groups are invited to submit briefs for presentation and discussion on May 13. New briefs must be submitted to the Commission by May 3 and 18 copies are required. Details on the submission of briefs and the hearing are available from the Commission office, 505 University Avenue, Suite 203, Toronto.

Plan for Ph.D. in library science to help teaching and research

The Senate has endorsed a proposal by the School of Graduate Studies for the establishment of a Doctor of Philosophy program in library science.

Candidates for the degree would be required to have the University of Toronto degree of Master of Library Science or its equivalent. The SGS outlined the program as follows:

"The objective is to develop research capabilities in qualified candidates in order to prepare them for careers in teaching and research at the university level or for careers in research in the library profession, and to stimulate a scholarly interest in research among a

greater number of members of the profession.

"Graduate study in library science is concerned with both theoretical and applied scholarship. It has its own area of human experience to analyse, its own body of descriptive and factual data to gather and its own conceptual schemes to formulate and test.

"The program is designed to provide opportunities for advanced study in theoretical foundations of library science as well as in the application of such knowledge to professional practice, and to develop competence in the identification and analysis of problems."